	Application No.	Annlinguation
	Application No.	Applicant(s)
Notice of Allowability	10/051,703	VOLSTORF, JAMES R.
	Examiner	Art Unit
	John B. Vigushin	2827
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate committee (GHTS). This application is s	n this application. If not included unication will be mailed in due course. THIS
1. This communication is responsive to Applicant's Amendment	ent filed 06 August 2003.	
2. The allowed claim(s) is/are <u>1-23</u> .		
3. The drawings filed on 18 January 2002 are accepted by the	e Examiner.	
 Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the: 	nder 35 U.S.C. § 119(a)-(d)	or (f).
 Certified copies of the priority documents have 	been received.	
Certified copies of the priority documents have	been received in Application	n No
Copies of the certified copies of the priority doe	cuments have been received	d in this national stage application from the
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
 Acknowledgment is made of a claim for domestic priority un reference was included in the first sentence of the specifica 	ation or in an Application Da	ta Sheet. 37 CFR 1.78.
(a) The translation of the foreign language provisional a		
 Acknowledgment is made of a claim for domestic priority ur in the first sentence of the specification or in an Application 	nder 35 U.S.C. §§ 120 and/o Data Sheet. 37 CFR 1.78.	or 121 since a specific reference was included
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of the comply will result in ABANDONMENT of the complex complex in the complex complex complex in the complex	this communication to file a this application. THIS THR	reply complying with the requirements noted EE-MONTH PERIOD IS NOT EXTENDABLE.
 A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give 	itted. Note the attached EXA es reason(s) why the oath or	MINER'S AMENDMENT or NOTICE OF declaration is deficient.
 CORRECTED DRAWINGS (as "replacement sheets") mus (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No 		√ (PTO-948) attached
(b) including changes required by the proposed drawing co	orrection filed, which	has been approved by the Examiner.
(c) ☐ including changes required by the attached Examiner's		
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the		
9. DEPOSIT OF and/or INFORMATION about the deposattached Examiner's comment regarding REQUIREMENT FOR TI	sit of BIOLOGICAL MATE HE DEPOSIT OF BIOLOGIC	ERIAL must be submitted. Note the CAL MATERIAL.
Attachment(s)		
1☐ Notice of References Cited (PTO-892)	5⊡ Notice of Info	rmal Patent Application (PTO-152)
2☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		nmary (PTO-413), Paper No
3 Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No), 7⊠ Examiner's A	mendment/Comment
4☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	8⊠ Examiner's S 9⊡ Other .	tatement of Reasons for Allowance
		John B. Vigushin
		Primary Examiner Art Unit: 2827

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Notice of Allowability

1. The present Office Action is responsive to Applicant's amended Response filed August 06, 2003. The Examiner acknowledges the replacement of the originally filed Abstract with a new Abstract, complying with the requirement that the Abstract be less than 150 words in length, and further acknowledges the amendments to Claims 1-3, 5, 19 and 20, and the addition of new Claims 21-23. Accordingly, Claims 1-23 are now pending in the instant amended Application.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended to correct a minor informality in Claim 22 as follows:

In Claim 22, line 4 of section B): "a" has been changed to --and--.

Allowable Subject Matter

- 3. Claims 1-23 have been allowed.
- 4. The following is an examiner's statement of reasons for allowance:

As to Claims 1-18, patentability resides in a plurality of electrical paths through the overlaying pairs of via holes and through electrically conductive pads mounted on Application/Control Number: 10/051,703

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the first and second faces of the midplane printed circuit board, in combination with the other limitations of base Claim 1.

As to Claim 19, patentability resides in each via hole in each of the pairs of via holes being fixed on an axis perpendicular to an axis that bisects the angle of misalignment of the first and second printed circuit boards, in combination with the other limitations of the claim.

As to Claim 20, patentability resides in each via hole in each of the second face pairs of via holes being fixed on an axis that bisects the angle of misalignment of the first and second printed circuit boards, in combination with the other limitations of the claim.

As to Claim 21, patentability resides in each via hole in each of the pairs of via holes being fixed on an axis that bisects the angle of misalignment of the first and second printed circuit boards, in combination with the other limitations of the claim.

As to Claim 22, patentability resides in each via hole in each of the pairs of via holes being fixed on an axis perpendicular to an axis that bisects the angle of misalignment of the first and second printed circuit boards, in combination with the other limitations of the claim.

As to Claim 23, patentability resides in a plurality of conductive surface mount pads mounted on the first and second faces of the midplane PCB, each of the conductive surface mount pads connecting: 1) one of the electrical connections on the first PCB to one of the via holes on the first face of the midplane PCB, and 2) one of the Application/Control Number: 10/051,703

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electrical connections on the second PCB to one of the via holes on the second face of the midplane PCB, in combination with the other limitations of the claim.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John B. Vigushin whose telephone number is 703-308-1205. The examiner can normally be reached on 8:30AM-5:00PM Mo-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo can be reached on 703-308-1233. The fax phone number for the organization where this application or proceeding is assigned is 703-308-7382.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

> John B. Vigushin Primary Examiner

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November 13, 2003